

# United States Patent and Trademark Office

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,690	08/07/2002	Brian Bennie	201-1266	9312
28549 7:	590 02/04/2004		EXAMINER	
KEVIN G. MIERZWA ARTZ & ARTZ, P.C. 28333 TELEGRAPH ROAD, SUITE 250			NGUYEN, PHUNG	
			ART UNIT	PAPER NUMBER
SOUTHFIELD, MI 48034			2632	. 4
			DATE MAILED: 02/04/2004	1 1

Please find below and/or attached an Office communication concerning this application or proceeding.

7

Application No.   Applicant(s)						
Examiner Phung T Nguyen 2632  Period for Reply  AS HORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  THE COMMUNICATION of the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  If the proof or payl specified solors, the maining date of this communication.  A proper provided by the Official into the networks after the maining date of this communication, even if timely flied, may reduce any semined patent term adjustment. Sas 37 CFR 1,704(b).  Status  1)  Responsive to communication(s) filed on 25 November 2003.  2a)  This action is FINAL.  2b)  This action is for final.  3)  Since this application is condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1.2-19 is/are pending in the application.  4)  Claim(s) 1.2-19 is/are allowed.  6)  Claim(s) 1.2-19 is/are allowed.  6)  Claim(s) 2.5-13 re allowed.  7)  Claim(s) 3.5-13 re allowed.  8)  Claim(s) 3.5-13 re allowed.  9)  The specification is objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the connection is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11)  The oath		Application No.	Applicant(s)			
Plung T Nguyen    Plung T Nguyen   Plung T Nguyen   Plung T Nguyen   Plung T Nguyen		10/064,690	BENNIE ET AL.			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address— Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of the may be available under the provisions of 3 CFR 1.13(a). In no event, however, may a reply be timely filed after 50X (9) MCM** from the maining date of this communication. Extensions of time may be available under the provisions of 3 CFR 1.13(a). In no event, however, may a reply be timely filed after 50X (9) MCM** from the maining date of this communication. Fellula to reply within the set or extended period for reply will, by fitbulus, cause the application to become ABMINDONED (33 U.S.C. § 133). Annual plant form adjustment. Set 3* CFR 1.70(b).  Status  1) ☑ Responsive to communication(s) filed on 25 November 2003. 2a ☑ This action is FINAL.  2b) ☑ This action is final.  2b) ☑ This action is final.  2b) ☑ In action is FINAL.  2c) ☑ This action is final.  2c) ☑ Set this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4 ☑ Claim(s) 1.2 is larare pending in the application.  4a) Of the above claim(s) is a replicated to the provision of the above claim(s) is larare withdrawn from consideration.  5 ☑ Claim(s) 1.2 and 6.11 is/are rejected.  7 ☑ Claim(s) 3.5 is/are objected to by the Examiner.  10 ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  Application Papers  9 ☐ The specification is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12 ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  3 ☐ All b) ☐ Objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 10 Note of the priority documents have been received in A	Office Action Summary	Examiner	Art Unit			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - after 32 (4) MONTHS from the mailing date of this communication.  - if the period for mely specified above, the mainting date of this communication.  - if NO period for mely specified above, the mainting date of this communication.  - if NO period for mely specified above, the mainting date of this communication.  - if NO period for mely specified above, the mainting date of this communication.  - if NO period for mely specified above, the mainting date of this communication, even if timely filed, may reduce any control that the trans the months after the mailing date of this communication, even if timely filed, may reduce any specified above, the mainting date of this communication, even if timely filed, may reduce any specified above, the mainting date of this communication, even if timely filed, may reduce any specified above, the mainting date of this communication, even if timely filed, may reduce any specified and provided any specified above.  - if NO period for this specified above, the mainting date of this communication, even if timely filed, may reduce any specified and the mainting date of this communication, even if timely filed, may reduce any specified and the mainting date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO period filed is the mainting date of this communication, even if timely filed, may reduce any specified and period and period date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO period filed is the mainting date of this communication.  - if NO						
THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of the may be available under the provisions of 3 CFR 1.13(b), in no event, however, may a reply be timely field after SN (6) MONTHS from the mailing date of this communication. The provision of the provisio	· · · · · · · · · · · · · · · · · · ·	ears on the cover sheet with the o	correspondence address			
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2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-19 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) 12-19 is/are allowed.  6) Claim(s) 3-2-19 is/are allowed.  6) Claim(s) 3-2-19 is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Informal Patent Application (PTO-152)  5) Notice of Informal Patent Application (PTO-152)  6) Other:	Status					
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closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5)  Claim(s) 12-19 is/are allowed. 6)  Claim(s) 12-19 is/are allowed. 6)  Claim(s) 12-2 and 6-11 is/are rejected. 7)  Claim(s) 3-2 is/are objected to. 8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner. 10)  The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)  All b) Some * c) None of: 1.  Certified copies of the priority documents have been received. 2.  Certified copies of the priority documents have been received in Application No. 3.  Copies of the certified copies of the priority documents have been received in Application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.  Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Internal Patent Application (PTO-152) 6) Notice of Internal Patent Application (PTO-152) 6) Other:	2a) This action is <b>FINAL</b> . 2b) This	action is non-final.				
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11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  Attachment(s)  1) ☑ Notice of References Cited (PTO-892)  2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date  5) ☐ Notice of Informal Patent Application (PTO-152) Paper No(s)/Mail Date		• • • • • • • • • • • • • • • • • • • •	, ,			
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Application/Control Number: 10/064,690

Art Unit: 2632

#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 2, and 6-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mendez et al. (U.S. Pat. 5,612,671) in view of Niekerk et al. (U.S. Pat. 6,463,798).

Regarding claim 1: Mendez et al. disclose a method of learning tire pressure transmitter ID comprising a plurality of tire location and a memory (col. 3, lines 19-24) having an ignition signal (col. 3, lines 25-51), wherein each transmitter identification is associated with one of the plurality of the tire location (col. 2, lines 1-4). Mendes et al. disclose entering a learn mode in response to the ignition signal (col. 3, lines 25-58) but do not show entering a learn mode in response to the ignition signal and the brake condition signal as claimed. However, using more than one condition e.g., ignition signal and the brake condition signal, to enter a learn mode is old and known in the art as taught by Nielerk et al. (col. 4, lines 37-51). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Niekerk et al. and Mendez et al. because they both teach monitoring the inflation pressure of each tire on a vehicle. It is seen that entering the learn mode by using the brake condition signal in addition to the ignition signal would enhance the system of Mendez et al. in order to prevent errors.

Application/Control Number: 10/064,690

Art Unit: 2632

Regarding claim 2: Niekerk et al. disclose entering the learn mode after a predetermined number of transitions (col. 4, lines 37-41).

Regarding claim 6: Mendez et al. disclose a tell-tale display 22 (col. 2, lines 46-52).

Regarding claim 7: Mendez et al. disclose activating a timer in response to entering the learn mode (col. 4, lines 49-60).

Regarding claim 8: Mendez et al. disclose a first transmitter identification signal is received, resetting the timer and generating a second display signal indicative of a second tire location (col. 1, lines 59-63, and col. 3, lines 2-6).

**Regarding claim 9:** Mendez et al. disclose receiving a second transmitter identification signal (col. 1, lines 59-67).

Regarding claim 10: Mendez et al. disclose associating the first identification signal with a first tire location and a second identification signal with a second tire location (col. 2, lines 39-41).

Regarding claim 11: Mendez et al. disclose a spare location (col. 2, lines 4-6).

## Allowable Subject Matter

- 3. Claims 3-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. Claims 12-19 are allowed.

Application/Control Number: 10/064,690

Art Unit: 2632

#### Conclusion

Page 4

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phung T Nguyen whose telephone number is 703-308-6252. The examiner can normally be reached on 8:00am-5:30pm Mon thru. Friday, with alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel J. Wu can be reached on 703-308-6730. The fax numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-308-9051 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

Examiner: Phung Nguyen

Date: February 2, 2004

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